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SHORT COURSES

IN

AGRICULTURE
HORTICULTURE
POULTRY HUSBANDRY
DOMESTIC SCIENCE

COLLEGE PARK, MARYLAND

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INTRODUCTION.

As an appropriate foreword to this bulletin, outlining the work of the short winter courses for 1912 at the Maryland Agricultural College it seems most fitting to introduce the following resolutions adopted and presented to the College Faculty by the short course students of 1911.

"WHEREAS, We, the members of the ten weeks' course, have been greatly benefitted by our course at the Maryland Agricultural College; and

"WHEREAS, We deeply appreciate the earnest and untiring efforts of the head of the Agricultural Department and our other instructors, to make the course of the greatest value to us; and

"WHEREAS, We are very grateful to the President and other officers of the College for the many courtesies they have continually shown us; therefore

"Be it Resolved, That we, the members of this course, do emphatically recommend this ten weeks course to the young men of Maryland."

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Outline of Courses.

SOILS AND MANURES.

FIRST WEEK—*January* 8 *to January* 13, 1912.

PROF. W. T. L. TALIAFERRO.

MR. FRANK T. WILSON.

Origin and classification of Soils; Relation to Water, Air, Heat; Adaptation to Crops; Improvement; Drainage; Rotation; Manures; Lime; Fertilizers.

FARM CROPS.

SECOND WEEK—*January* 15 *to January* 20, 1912.

PROF. W. T. L. TALIAFERRO.

MR. FRANK T. WILSON.

Special Lecturer on Corn.

MR. W. OSCAR COLLIER, Easton, Maryland.

Grain Judging and Seed Selection, Preparation of Soil for Planting, Special Fertilizing, Cultivation, Legumes and Forage Crops, Insects and Diseases Affecting Farm Crops.

POULTRY HUSBANDRY.

THIRD WEEK—*January* 22 *to January* 27, 1912.

MR. ROY C. WAITE,

Maryland Agricultural Experiment Station.

Special Lecturers—Prof. J. S. Jeffrey, Poultryman, N. C. Agricultural Experiment Station; Prof. C. A. Rogers, Assistant Professor, Poultry Husbandry, Cornell University; Mr. George O. Brown, Secretary Maryland Poultry and Pigeon Association; Mr. John H. Carter, Washington, D. C., and others.

The Poultry course will include text book work, lectures and practical demonstrations in Housing and Yards, natural and artificial Incubation, Brooding, Feeds and Feeding, Rearing Young Stock, Judging, Marketing, Killing, Dressing and Packing, Breeding.

HORTICULTURE.

FOURTH WEEK—*January 29 to February 3, 1912.*

APPLES, PEARS, PEACHES.

Lecturers and Demonstrators—Prof. Hermann Beckenstrater, Prof. J. B. S. Norton, Prof. Thos. B. Symons, Mr. W. R. Ballard, of the Maryland Agricultural College; Prof. C. P. Close, Prof. E. R. Lake, Prof. H. P. Gould, U. S. Department of Agriculture.

Propagation, Selecting Orchard Sites, Tree Planting, Pruning, Cultivation, Picking, Packing and Marketing, Insects, Diseases, Spraying.

HORTICULTURE—Continued.

FIFTH WEEK—*February 5 to February 10, 1912.*

CHERRIES, PLUMS, GRAPES, SMALL FRUITS, NUTS, TRUCK CROPS.

Lecturers and Demostrators—Prof. J. B. S. Norton, Prof. Hermann Beckenstrater, Prof. Thos. B. Symons, Maryland Agricultural College; Prof. C. P. Close, Dr. C. L. Shear, Prof. L. C. Corbett, Prof. W. A. Orton, Prof. William Stuert, Prof. W. W. Tracey, Dr. D. N. Shoemaker, U. S. Department of Agriculture; Mr. R. M. Kellog, of Three Rivers, Michigan.

Propagation, Planting and Culture, Pruning, Marketing, Insects, Diseases, Spraying.

FARM MACHINERY AND ENGINES.

SIXTH WEEK—*February 12 to February 17, 1912.*

PROF. W. T. L. TALIAFERRO.

Special lecturers and demonstrators on Gasoline Engines, Motor Wagons, etc.

Elementary Principles of Mechanics, Farm Implements and Machines, Gasoline Engines and Motors.

CARPENTRY, BLACKSMITHING AND PIPE FITTING.

SEVENTH WEEK—*February* 19 *to February* 24, 1912.

PROF. HARRY GWINNER.
ASST. PROF. H. L. CRISP.

Sharpening and Fitting Tools; Practical Lessons in the Carpenter and Blacksmith Shops, and in Pipe Fitting.

FARM LIVE STOCK AND FEEDING.

EIGHTH WEEK—*February* 26 *to March* 2, 1912.

ASST. PROF. ROBERT H. RUFFNER.

The Study of the Principal Breeds of Live Stock, Practical Stock Judging, Principles of Breeding, Principles of Animal Nutrition, Balanced Rations, Feeding for Special Purposes.

FARM DAIRYING.

NINTH WEEK—*March* 4 *to March* 9, 1912.

ASST. PROF. ROBERT H. RUFFNER.

Special Lecturer—Mr. Granville Hibbard, U. S. Department of Agriculture.

Dairy Bacteriology and Sanitation, Milk Testing, Use of Separators, Butter Making, Care of Cows.

VETERINARY SCIENCE.

TENTH WEEK—*March* 11 *to March* 16, 1912.

DR. S. S. BUCKLEY, D. V. S.

The elementary study of the Diseases of Farm Animals, their Prevention and Cure; Stable Sanitation and Management.

Domestic Science.

Monday March 18 *to Saturday March* 23, 1912.

The Domestic Science Course will consist of lectures and demonstration work under the following heads and subheads:

HOUSEHOLD BACTERIOLOGY.

Bacteriology of Food Preservation, Bacteriology of General Cleaning, Bacteriology of Sickness.

SANITATION.

Water Supply, Disposal of Waste, Drainage, Plumbing, Filtration.

HOUSEHOLD CHEMISTRY.

Fuel, Washing Powders and other Cleansing Agents, Baking Powders, Chemistry of Food Stuffs.

PRINCIPLES OF COOKING.

Proteids, Carbohydrates, Fats, Leavening of Breads.

PRINCIPLES OF PLANNING MEALS AND DIATETICS.

HOUSE PLANNING AND HOUSEHOLD MANAGEMENT.

HOW TO PRESENT AND TO TEACH THE ESSENCE OF HOME ECONOMICS TO CHILDREN.

FOR THE HOME.

The Maryland Agricultural College offers for the first time to the women of Maryland a course in Domestic Science.

It is true that it is a short course and not adequate to the importance of the subject and that consequently it must necessarily be more or less elementary in character, but as far as it goes the work will be up to date and practical. Whether this course shall be amplified and put upon the footing which its importance should demand rests with the women of Maryland.

The College believes that there are women in the State desirous of improving themselves in all that relates to womanhood. It is reaching out its hands to help them. It hopes that its invitation will be accepted by so many that this experimental course will develop into one which will be a source of pride as well as of benefit in every home in the State.

SILVER TROPHY CUPS.

The silver loving cup offered as a trophy to the grower and exhibitor of the Grand Champion Exhibit of Corn at the annual State Corn Show, in Baltimore, during Maryland Week, was won this year by G. D. Radebaugh, of Bynum, Harford County, a former short course student of the Maryland Agricultural College. This honor has twice before fallen to short course students of the College.

A student team from the Maryland Agricultural College also won the Jersey Silver Trophy Cup, at the last National Dairy Show, in Chicago. Had there been an Ayrshire Cup the Maryland boys would have brought that back with them too, for they won first place in judging that breed also.

In addition to winning trophy cups and other honors, students of the College have won in judging contests, this fall, four hundred and ninety dollars in money.

CHANGE OF PLAN.

The concentration of the horticultural work and of the poultry work of the Short Course into a short time entirely occupied with the one subject, has given such general satisfaction that all of the

work of the ten weeks' course has been arranged on that plan. Each division of the work will be given independently of all others, and will occupy six days.

There will, in fact, be a series of one-week courses, each dealing with one branch of farm work and for its allotted time claiming the attention of the student to that one subject exclusively.

The advantages of this method appear to be several. If the student wishes to take all the courses he can do so without greater outlay of time or money than formerly, when several subjects were taken up concurrently.

If, on the other hand, there be any one who feels the need of instruction in a part of the work only, or if for any reason he can not arrange to spend ten weeks away from home, he may select from the subjects offered the one or ones which specially appeal to him and attend the College only during the time when those subjects are being taught.

While the schedule of work has been arranged on this basis, however, for the benefit of the specialist and of those unable to attend the full ten weeks, the entire work has been carefully planned to meet the needs of the general farmer and it is earnestly hoped that all who can possibly do so will arrange to spend the full time at the College and take all of these ten one-week courses in order.

EXPENSES.

The College dormitories are full of regular students so that it is not possible for the Short Course students to get rooms in the College buildings. Arrangements have been made, however, with parties in the neighboring towns of Riverdale and Hyattsville, by which Short Course students may secure good lodging and board at the very reasonable charge of $5.00 per week. Riverdale is one mile and Hyattsville two miles, from College Park, with which they are connected by trolley with a five cent fare.

There is absolutely no charge made by the College for instruction or use of the laboratories in these Short Courses. In the poultry Course, however, each student will be expected to secure a text book. While this is not a requirement in the other courses many Short Course students do find it advantageous to purchase text books

while at the College, both to help them in their work while there and to form the neucleus of an Agricultural Library in their homes.

ADMISSION.

Applications for admission to any of the Short Courses should be made in time to have boarding arrangements made. Address correspondence to

MARYLAND AGRICULTURAL COLLEGE,

R. W. SILVESTER, *President,*

College Park, Md.